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May 26, 2000

1404822 Ont. Inc
490 York Rd., Suite 101A
Guelph, ON N1E 6V1

Subcontract Proposal for the Development of Beta Version Software

Background:

Client requires software to provide a portable solution for bird identification in the field. The first phase of development will include working with suitable test information, scanning and rescaling images, modifying sound tracks, and create suitable database structure(s) to interface with newly designed software. Second and third phase will include required software to handle transferring selected data to MP3 Player and to hand held computers.

Objective:

Create software for Phase I to allow user to select a group of birds native to a region of North America. Once region is selected, provide a listing of birds with their scientific name and appropriate references to field guide(s) with page numbers. Further, allow user to display a picture of selected bird by region of habitat, and listen to the song and/or sounds this bird makes. Also, allow user to enter a memo to track sightings.



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Methodology:

Phase I – provide a beta version suitable for initial testing.

Scan test visual images into viewable bitmaps. Work with rescaling to provide pleasing displays for software output.

Convert test song recordings into wav files. Work with audio formats and compression routines to reduce size to a minimum.

Prepare pleasing computer image of habitat region map for initial user selection of region to work in.

Create suitable databases(s).

Design software to:

- 1: display North America Regions

- 2: list birds in a selected region

- 3: display their picture

- 4: play their song(s)

- 5: display their range map

- 6: display their scientific name

- 7: list field guide reference(s) with page number.

- 7: Provide a user memo function to record their bird sightings.

Prepare software for help file inclusion as required

Provide master CD for duplication for limited group testing.

Future development:

Phase II - add functionality to program to interface with selected MP3 player.

Conversion of wav files to MP3 compressed file format.

Add user selection of bird songs to be uploaded to portable MP3 player.

Phase III – add functionality to program to interface with Compaq Aero 2100 computer.

Conversion of wav files to compressed file format usable in Windows CE operating system on Aero

Add user selection of bird songs to be uploaded to portable Aero computer.



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Effort and Costs:

Scan test visual images into viewable bitmaps	40 Hrs	\$30 /Hr	\$1200.00
Convert test song recordings into wav files	40 Hrs	\$50 /Hr	\$2000.00
Phase I software design and beta production	100 Hrs	\$80 /Hr	\$8000.00
TOTAL			\$11200.00

Deliverables:

Client will receive a Master CD, which will consist of installable beta software, associated database files, and sound and image data files.

Schedule:

Start June 1, 2000
Finish: September 31, 2000

'Alpha' program 'builds' will be produced as work progresses for use during bi-weekly discussion meetings. Possible modifications/additions/changes will be assigned priorities during development cycle.

Technical information produced, belongs to 1404844 Ont. Inc. Appropriate copyrights will be assigned and displayed in the deliverable beta software package.

Proposal submitted by:

A handwritten signature in cursive script, appearing to read "Dave Pletsch".

Dave Pletsch

Date:

May 26/00

RE: patent



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AVIS IMPORTANT

BSBPATEN.APP	Name: BSBPATEN.APP Type: unspecified type (application/octet-stream) Encoding: base64
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FIGA.JPG	Name: FIGA.JPG Type: JPEG Image (image/jpeg) Encoding: base64
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FIGB.JPG	Name: FIGB.JPG Type: JPEG Image (image/jpeg) Encoding: base64
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FIGC.JPG	Name: FIGC.JPG Type: JPEG Image (image/jpeg) Encoding: base64
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03/07/01
0323 U.S. PRO

IN THE UNITED STATES PATENT & TRADEMARK OFFICE
PROVISIONAL APPLICATION FOR PATENT COVER SHEET

To: Assistant Commissioner for Patents
Box Patent Application
Washington, D.C. 20231, USA

Docket No.: 08-890518US

Inventor(s): Sherrene D. KEVAN; et al

03/07/01
60/273542
JCS229 U.S. PRO

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR § 1.53(c).
The following are enclosed:

- ☒ Specification Pages: 42
☒ Drawings Sheets: 3
☐ Assignment Papers (cover sheet(s) and document(s)). Please record and return to the undersigned.
☒ Return Receipt Postcard
☐ Other: _____

The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government: ☒ No

TITLE OF THE INVENTION	
System and Apparatus to Assist with Bird Identification	
INVENTOR(S) NAME(S)	RESIDENCE ADDRESS(ES)
Sherrene D. KEVAN	352 River Road, Cambridge, Ontario, N3C 3B7, CANADA
Peter G. KEVAN	352 River Road, Cambridge, Ontario, N3C 3B7, CANADA
Dave PLETSCHE	46 Bedford Road, Guelph, Ontario, N1H 6J2, CANADA

☐ Additional inventor(s) are named on a separately numbered sheet attached hereto.

FEES: Basic Fee: \$150.00
Assignment(s): _____ x \$40.00 =

TOTAL FEE: \$150.00

The Assistant Commissioner is hereby authorized to charge the TOTAL FEE above, and to charge any additional fees which may be required or credit any overpayment to Deposit Account No. 50-1644.

CORRESPONDENCE ADDRESS:

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Date: March 6, 2001

Yours very truly,

By:

T. Gary O'Neill
Patent Agent
Registration No. 36,355



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